

## Search Conditions (This screen will be available in Search mode)

### I. Screen prototype: Search Mode

When the user first navigates to the page, the page will be in search mode as follows:

The screenshot shows a web browser window titled "default - Windows Internet Explorer provided by DHSS/ITSD". The address bar shows "http://devoapp/webmohsis/default.aspx?tc=Person". The page has a green header with "State of Missouri" and "DEPARTMENT OF HEALTH AND SENIOR SERVICES". The username "swadm04" is displayed with a "Sign Out" link. The agency is "DOH-CENTRAL OFFICE". The navigation menu includes "Home", "Person", "Organization", and "Search". The "Search" link is highlighted. The main content area is titled "Search Condition/Notification" and contains a "Hide Search Tips" link. Below this, it states "A search can be completed on a combination of fields:" followed by three bullet points: "Date Type, Date From and Date To, Managed or Counted, Jurisdiction or Region OR", "Date Type, Date From and Date To, Condition Name and/or Condition Status OR", and "Identifier Type and Identifier". The form includes several input fields: "Date Type" (a dropdown), "Date From" (a text field with a calendar icon and "(mmddyyyy)" format), "Date To" (a text field with a calendar icon and "(mmddyyyy)" format), "Managed or Counted" (a dropdown), "Jurisdiction" (a dropdown), "Region" (a dropdown), "Condition Name" (a text field), "Condition Status" (a dropdown), "Identifier Type" (a dropdown), and "Identifier" (a text field). There are "Search" and "Clear" buttons. At the bottom, it says "Rows Returned: Maximum Number of Rows: 50". The status bar at the bottom shows "javascript: \_\_doPostBack('lbtnShowHideInstructions','');" and "Local intranet".

### II. Validate the following:

- The page displays as per web standards
- Drop down lists are loaded correctly:
  - Date Type** (SURVWEB\_LOOKUP\_NAME table – LIST\_NAME: DATE TYPE)
  - Manage or Counted**
  - Jurisdiction** (LOOKUP.LU\_LOOKUPS.TYPE = 5705)
  - Region** - Use the LOOKUP.REF\_REGION\_COUNTY table and list its unique REGION\_NAME(s) first, then its unique BT\_REGION\_NAME(s) excluding UNKNOWN so the list will look as follows:
    - A blank item
    - CENTRAL
    - EASTERN
    - NORTHWEST
    - SOUTHEAST
    - SOUTHWEST
    - A

- B
- C
- D
- E
- F
- G
- H
- I

- **Search Notifications** – When date type selected is “Notification Date”

- Identify conditions entered or updated for a specific time frame and jurisdiction. Includes entries and updates to the following tables:

1. SURVWEB\_CONDITION
2. SURVWEB\_COND\_STATUS (for updated condition\_status)
3. SURVWEB\_COND\_JURISDICTION (for new or updated conditions for the manage jurisdiction or region)
4. SURVWEB\_COND\_TESTS (adding new tests)

- **Condition Name**

The Values in the CONDITIONS Lookup List will identify all the Condition Names (in the SURVWEB schema) that the user may possibly have access to (such as TB DISEASE, MOTT, VPD, etc...). Display each Condition Name for which the user has an View, Update, QA or Admin Application Security Role for as follows:

<u>Lookup Values</u>	<u>Roles to display the Condition Name</u>
TB DISEASE, MOTT	TB_DISEASE_VIEW, TB_DISEASE_UPDATE, TB_DISEASE_QA, TB_DISEASE_ADMIN
TB INFECTION	TB_VIEW, TB_UPDATE, TB_QA, TB_ADMIN
All others	CD_VIEW, CD_UPDATE, CD_QA, CD_ADMIN

So a TB\_DISEASE user may see a blank item, MOTT, and TB DISEASE. A CD user may see a blank item and VPD. Another user who has TB\_DISEASE and CD roles may see a blank item, MOTT, TB DISEASE and VPD. And so on depending on the CONDITIONS list and the user's security.


- **Condition Status** (SURVWEB\_LOOKUP\_NAME table where LIST\_NAME = 'CONDITION STATUS')

- **Identifier Type** (SURVWEB\_LOOKUP\_NAME table – LIST\_NAME: IDENTIFIER TYPE, FILTER\_VALUE = CONDITION

- **Maximum Number of Rows**

- 50
- 100
- 150
- 200
- 250

- c. All sections display the correct information
- d. Paging will be available in the grid when there are more than five rows of information. Keep the current sort order when paging.
- e. Grid should contain Condition ID, Condition Name (link), Condition Status, Latest Resolution, Manage Jurisdiction, Name (Primary Only), Person ID, Date of Birth, Address(s) link.
- f. Sort the list of results that are retrieved from database by ascending Condition ID.
- g. When the user scrolls, save the position. When the screen reloads, use the latest scroll position to redisplay the screen in the same position as it was before the reload.
- h. Date Fields: (Date From, Date To)

- Display should include label, entry field, calendar icon, and format [Label:  (mmddyyyy) ]
- The calendar controls works correctly.
- Display **Invalid Date** directly below the Date field that is not a valid date (i.e. does not have a valid month day year combination) as soon as the user leaves the field. Earliest valid date is 01011800.
- Date fields - listed above – 8 (must have day in this date so it must be exactly 8 digits)
- When click the calendar icon and select a date, keep the cursor on the date field so the user can tab to the next field.
- i. No more than the maximum number of characters can be entered into the following fields:
  - Identifier - 40
- j. The following error messages display in the order of the fields on the screen if applicable when the user clicks the **Search** button:
  - **When Identifier or Identifier Type has information entered.**
    - Identifier is required
    - Identifier Type is required
    - Condition ID must be between 1 to 12 numeric digits
    - NETSS ID must be between 1 to 12 numeric digits
    - RVCT NUMBER must be at least 9 numeric digits
  - **For searches that do not contain Identifier or Identifier Type.**
    - Date Type is required
    - Date From cannot be a future date
    - Date From is required
    - Date To is required
    - Date To cannot be a future date
    - Date To cannot be prior to Date From
    - Date To must be within 91 days of Date From
  - **Search Notifications**
    - Date From cannot be a future date
    - Date From is required
    - Date To is required
    - Date To cannot be a future date
    - Date To cannot be prior to Date From
    - Date Type must be Notification Date
    - Manage or Counted must be Manage
    - Jurisdiction is required.
  - **When Rows Returned is equal to the Maximum Number of Rows**
    - Refine search or increase Maximum Number of Rows

### III. Buttons & Links

- a. Validation to display messages to the user will not be performed on click of **Clear**
- b. When click the calendar icon and select a date, keep the cursor on the date field so the user can tab to the next field.
- c. When click the **Search** button, build the Search query as follows. If the number of rows returned is equal to or greater than the Maximum Number of Rows, then return and display data only up to the Maximum Number of Rows and display the error message of “Refine search or increase Maximum Number of Rows”. Either way, display Rows Returned.
  1. Using AND for only the filters entered
  2. Using exact matches on Identifier Type / Identifier, Condition Name, Condition Status filters

3. When filtering on Region (Counted or Manage), first retrieve a list of Jurisdictions for the Region. Then look for the Counted Jurisdiction or Manage Jurisdiction records for the search criteria.
- d. When click the **Clear** button, 1) clear out the entry fields in that section and 2) clear out error messages in that section.
- e. When click a link that will bring up another page, display a popup with the pyramid image and a message such as of "Working, please wait..." as per standards.
- f. When click a column header in a grid, check to see if the sort is currently on that column. If so, sort the list on that column ascending or descending (opposite of what it currently is). If not, sort the list on that column ascending. When click a column header to change the sort, restart the user on page 1 of the grid with the new sort order. Dates sort include the month, day and year. The Name column sorts on Last Name and then First Name.
- g. When click a [Condition Name](#) link (select the person), display the Person Manage tree in the left side of the screen and the Condition Screen for that condition id in the right side of the screen.
- h. When click a [Print CD1](#) link (select the condition), display a completed condition report in another window.

Department of Health and Senior Services  
Section for Communicable Disease Prevention  
DISEASE CASE REPORT

Print Date: 9/23/2008

Person ID: 382870684  
Name: ADAMS, CINDY CATRINA  
Date of Birth: 08/25/1977  
Sex: FEMALE  
Race: BLACK PACIFIC WHITE  
Ethnicity: NON HISPANIC

Condition Address: 1440 AARON CT  
JEFFERSON CITY, MO 65101-2863  
COLE  
USA  
Telephone Number(s): 816 969 9396 (HOME)

Condition Information:  
Condition ID:  
Condition:  
Status:  
Severity:  
Complication:  
Age:  
Jurisdiction:  
Juns Type:  
Resolution:  
Diagnosis Date:  
Pregnant:  
Hospitalized:  
Died of Illness:  
Other Associated Cases:  
Notified of Diagnosis:

Reporter Information:  
Report Date:  
Type:  
Reporter:  
Address:

Risk/Background Information:  
Factor:  
If Other, Describe:  
Begin Date:  
End Date:  
If Travel City, State, Country:

Tests/Diagnostic Information:  
Test Type: XRAY PULMONARY  
Result Date: 10/12/2007  
Specimen Type: Specimen Source:  
Results: ABNORMAL  
Reference Range:  
Laboratory:  
Submitter:  
Test Type: CULTURE TB  
Result Date: 11/14/2007  
Specimen Type: TISSUE  
Results: POSITIVE

- i. When you click [Print Listing](#) link, the screen will be printed.
- j. The tab order should default as top to bottom left to right unless otherwise stated.

#### IV. Database routines

- a. Retrieval of the user's security to load the Condition Name drop down list appropriately so that the user only search for and retrieves information for the conditions they have access to and are not INACTIVE.
- b. Search information will be stored in tables as shown below:

Field on Screen	Database column	Database Table
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Last Name	LAST_NAME_1	SURVWEB.SURVWEB_PARTY_NAME
First Name	FIRST_NAME	SURVWEB.SURVWEB_PARTY_NAME
Date of Birth	DATE_OF_BIRTH	SURVWEB.SURVWEB_PERSON
Identifier Type	IDENTIFIER_TYPE (For ALIEN NUMBER, CLIENT NUMBER, INMATE ID, SSN, STUDENT ID)	SURVWEB.SURVWEB_PARTY_IDENTIFIER
Identifier	IDENTIFIER (For ALIEN NUMBER, CLIENT NUMBER, INMATE ID, SSN, STUDENT ID)	SURVWEB.SURVWEB_PARTY_IDENTIFIER
Condition ID	CONDITION_ID	SURVWEB.SURVWEB_CONDITION
CONDITION CODE	SHORT_VALUE	SURVWEB.SURVWEB_LOOKUP_VALUE where LIST_NAME = 'CONDITIONS'
NETSS ID		SURVWEB.SURVWEB_COND_IDENTIFIER where COND_IDENTIFIER_TYPE = NETSS
Person ID	PARTY_ID	SURVWEB.SURVWEB_COND_PARTY where SURVWEB.SURVWEB_COND_PARTY.PARTY_TYPE = 'CLIENT'
RVCT NUMBER	RVCT_NUMBER	SURVWEB.SURVWEB_COND_IDENTIFIER where COND_IDENTIFIER_TYPE = RVCT
Counted Jurisdiction	JURISDICTION	SURVWEB.SURVWEB_JURISDICTION (from the JURISDICTION record with the most recent ENTRY_DATETIME for the CONDITION_ID where COUNTED_OR_MANAGE_IND = 'C')
Manage Jurisdiction	JURISDICTION	SURVWEB.SURVWEB_JURISDICTION (from the JURISDICTION record with the most recent ENTRY_DATETIME for the CONDITION_ID where COUNTED_OR_MANAGE_IND = 'M')
Region	REGION_NAME	LOOKUP.REF_REGION_COUNTY
Condition Name	CONDITION_NAME	SURVWEB.SURVWEB_CONDITION
Condition Status	CONDITION_STATUS	SURVWEB.SURVWEB_CONDITION_STATUS
Date Type	N/a	N/a
Date From	ENTRY_DATETIME unless Date Type is DATE OF REPORT, then the column is CONDITION.DATE_OF_REPORT	Depends on the Date Type as follows: Table – Date Type: SURVWEB.SURVWEB_COND_DATE for EVENT DATE, REPORT DATE, etc.  For specific ENTRY DATES use: CONDITION - DISEASE CASE REPORT ENTRY DATE CONTACT - CONTACTS ENTRY DATE SYMPTOMS – SYMPTOMS ENTRY DATE DISEASE_TEST - TESTS ENTRY DATE
Date To	Same as Date From	Same as Date From
Name		SURVWEB.SURVWEB_PARTY_NAME where NAME_TYPE = PRIMARY

Rows Returned	N/a	N/a
Maximum Number of Rows	N/a	N/a

SURVWEB.SURVWEB_PARTY_NAME	
PK	<u>SURVWEB_PARTY_NAME_ID</u>
FK1	<b>SURVWEB_PARTY_ID</b> <b>PARTY_TYPE</b> <b>NAME_TYPE</b> BEGIN_DATE END_DATE NAME_PREFIX FIRST_NAME MIDDLE_NAME1 MIDDLE_NAME2 LAST_NAME1 LAST_NAME2 NAME_SUFFIX ORGANIZATION_NAME <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b> LAST_CHANGED_DATETIME LAST_CHANGED_USERID FIRST_NAME_SOUNDEX LAST_NAME_1_SOUNDEX

SURVWEB.SURVWEB_PARTY_PERSON	
PK	<u>SURVWEB_PARTY_PERSON_ID</u>
FK1	<b>SURVWEB_PARTY_ID</b> DATE_OF_BIRTH DATE_OF_DEATH SEX ETHNICITY ETHNICITY_EXP WHITE BLACK ASIAN ASIAN_EXP INDIAN INDIAN_EXP PACIFIC PACIFIC_EXP UNKNOWN_RACE LEGACY_RACE MARITAL_STATUS COUNTRY_OF_BIRTH ARRIVED_USA_DATE GRADE_LEVEL VITAL_STATUS <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b> LAST_CHANGED_DATETIME LAST_CHANGED_USERID

SURVWEB.SURVWEB_PARTY_IDENTIFIER	
PK	<u>SURVWEB_PARTY_IDENTIFIER_ID</u>
FK1	<b>SURVWEB_PARTY_ID</b> IDENTIFIER_TYPE IDENTIFIER BEGIN_DATE END_DATE <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b> LAST_CHANGED_DATETIME LAST_CHANGED_USERID

SURVWEB.SURVWEB_CONDITION	
PK	<u>SURVWEB_CONDITION_ID</u>
	CONDITION_LOCATOR_ID <b>CONDITION_NAME</b> <b>CONDITION_CODE</b> AGE_AT_DIAGNOSIS AGE_TYPE <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b> LAST_CHANGED_DATETIME LAST_CHANGED_USERID

SURVWEB.SURVWEB_COND_IDENTIFIER	
PK	<u>SURVWEB_COND_IDENTIFIER_ID</u>
FK1	<b>SURVWEB_CONDITION_ID</b> <b>COND_IDENTIFIER_TYPE</b> COND_IDENTIFIER <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b> LAST_CHANGED_DATETIME LAST_CHANGED_USERID

SURVWEB.SURVWEB_COND_PARTY	
PK	<u>SURVWEB_COND_PARTY_ID</u>
FK1	<b>SURVWEB_CONDITION_ID</b> <b>SURVWEB_PARTY_ID</b> <b>PARTY_TYPE</b> <b>BEGIN_DATE</b> END_DATE STATUS CONTACT_LAST_NAME CONTACT_FIRST_NAME PRIMARY_PROVIDER <b>ENTRY_USERID</b> <b>ENTRY_DATETIME</b> LAST_CHANGED_USERID LAST_CHANGED_DATETIME

SURVWEB.SURVWEB_COND_JURISDICTION	
PK	<u>SURVWEB_COND_JURISDICTION_ID</u>
FK1	<b>SURVWEB_CONDITION_ID</b> COUNTED_OR_MANAGE_IND JURISDICTION JURISDICTION_TYPE <b>SURVWEB_REF_JURISDICTION_ID</b> <b>ENTRY_USERID</b> <b>ENTRY_DATETIME</b> LAST_CHANGED_USERID LAST_CHANGED_DATETIME

SURVWEB.SURVWEB_COND_STATUS	
PK	<u>SURVWEB_COND_STATUS_ID</u>
FK1	<b>SURVWEB_CONDITION_ID</b> CONDITION_STATUS CASE_TYPE LTBI_STATUS MONTH_COUNTED YEAR_COUNTED <b>RECORD_STATUS</b> SENT_TO_CDC_DATE <b>ENTRY_USERID</b> <b>ENTRY_DATETIME</b> LAST_CHANGED_USERID LAST_CHANGED_DATETIME

SURVWEB.SURVWEB_COND_DATE	
PK	<u>SURVWEB_COND_DATE_ID</u>
FK1	<b>SURVWEB_CONDITION_ID</b> COND_DATE_TYPE COND_TYPE_DESCRIPTION COND_DATE COND_DATE_TEXT COND_CDC_REPORT_WEEK COND_CDC_REPORT_MONTH COND_CDC_REPORT_YEAR <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b> LAST_CHANGED_DATETIME LAST_CHANGED_USERID

SURVWEB.SURVWEB_COND_CONTACTS		SURVWEB.SURVWEB_COND_SYMPTOMS		SURVWEB.SURVWEB_COND_RESOLUTION	
<b>PK</b>	<b><u>SURVWEB_COND_CONTACTS_ID</u></b>	<b>PK</b>	<b><u>SURVWEB_COND_SYMPTOMS_ID</u></b>	<b>PK</b>	<b><u>SURVWEB_COND_RESOLUTION_ID</u></b>
<b>FK1</b>	<b>SURVWEB_CONDITION_ID</b> <b>CONTACT_PARTY_ID</b> EVALUATED RESULT CLOSE_CONTACT RELATIONSHIP DATE_OF_LAST_EXPOSURE AGE AGE_TYPE ONSET_DATE <b>ENTRY_USERID</b> <b>ENTRY_DATETIME</b> LAST_CHANGED_USERID LAST_CHANGED_DATETIME	<b>FK1</b>	<b>SURVWEB_CONDITION_ID</b> <b>SYMPTOM</b> SYMPTOM_OTHER ONSET_DATE ONSET_TIME DURATION DURATION_UNIT DESCRIPTION <b>ENTRY_USERID</b> <b>ENTRY_DATETIME</b> LAST_CHANGED_USERID LAST_CHANGED_DATETIME	<b>FK1</b>	<b>SURVWEB_CONDITION_ID</b> <b>RESOLUTION</b> <b>RESOLUTION_DATE</b> CLOSED_REASON REASON_OTHER <b>ENTRY_USERID</b> <b>ENTRY_DATETIME</b> LAST_CHANGED_USERID LAST_CHANGED_DATETIME
SURVWEB.SURVWEB_COND_TESTS					
<b>PK</b>	<b><u>SURVWEB_COND_TESTS_ID</u></b>				
<b>FK1</b>	<b>SURVWEB_CONDITION_ID</b> TEST_DATE <b>RESULT_DATE</b> <b>TEST_TYPE</b> CLASSIFICATION SPECIMEN_TYPE SPECIMEN_PROCEDURE SPECIMEN_SOURCE_ANATOMIC_TEXT SPECIMEN_SOURCE_ANATOMIC_CODE <b>SPECIMEN_DATE</b> SPECIMEN_ID QUALITATIVE_RESULT QUANTITATIVE_RESULT QUANTITATIVE_RESULT_UNIT REFERENCE_RANGE SUBMITTER_CONDITION_PARTY_ID LAB_CONDITION_PARTY_ID ANERGIC LOT_NUMBER MANUFACTURER QUANTIFERON_RESULT ABNORMAL_STATUS ABNORMAL_FINDINGS OTHER_FINDINGS PATTERN MIRU_CLUSTER OTHER_RESULT ENCOUNTER_ID <b>ENTRY_USERID</b> <b>ENTRY_DATETIME</b> LAST_CHANGED_USERID LAST_CHANGED_DATETIME				